



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

*** * *** ***



AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123

UMTRI - 96 - 8
VERSION 05

**UM-3732-98
1998 Oldsmobile Intrigue**

**In-depth
Vehicle
Occupant
Report**

The University
of Michigan
Transportation
Research Institute

UNIVOR-UMIVOR-UMIVOR



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The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

Case Vehicle (A): 1998 Oldsmobile
 Type: Intrigue, 4-door sedan
 Driver: 38-year-old female
 CDC: 01-FDEW-2

Situation

(Slide 1) Case vehicle (A) was traveling in the westbound on-ramp preparing to merge into traffic on a four-lane divided highway with a speed limit of 70 mph. (Slides 2, 3) The driver of case vehicle (A) reportedly swerved to the right, while braking to avoid a pedestrian on the on-ramp. Case vehicle (A) entered a counterclockwise yaw, crossed the westbound traffic lanes, and struck a concrete median barrier with its front end. Case vehicle (A) came to rest on the paved shoulder on the south side of the roadway facing west.

Using the SMASH accident-reconstruction program and c-values measured for (slides 4, 5, 6, 7, 8,) case vehicle (A), the following impact severity was calculated:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	20 (13)	-16 (-10)	-13 (-8)

Exterior Damage

(Slides 9, 10, 11, 12, 13, 14) Damage to case vehicle (A) was moderate. Direct-damage length was 141 cm and began at the right-front bumper corner. The maximum crush was 29 cm and occurred 25-cm inboard from the right front bumper corner. The front bumper and headlight assemblies were damaged. The hood was crushed and the latch released. The left and right hood hinges were damaged, but did not separate from the hood. The rear edge of the hood was elevated, but did not contact the windshield. The right and left fenders were damaged. There were stress cracks in the lower right corner of the windshield.

Interior Damage

(Slides 15, 16, 17, 18, 19, 20, 21, 22, 23) This vehicle was equipped with steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. No damage was noted to the airbag skins or their module doors/flaps. (Slide 24) The steering-wheel rim and spokes were not damaged. No intrusions were noted. (Slides 25, 26, 27, 28, 29) Damage to the interior of the vehicle was limited to that caused by the deploying airbags.

Occupant Injuries and Kinematics

The 38-year-old female driver was reportedly wearing the available 3-point belt. On impact, she moved forward into the belt restraint and the deploying airbag. She sustained a contusion to her left breast from contact by the shoulder belt. She sustained an abrasion to her inner left elbow, probably from contact by the deploying airbag. She sustained a contusion over her abdomen from loading by the lap belt. (Slide 30) She sustained an abrasion and a contusion to her left knee from contact with the underside of the steering column. She sustained a sprained right ankle, probably from contact with the floor pan, and a laceration to her ankle from contact with the bronze hook of her hiking boot.

(Slide 31) The attached table summarizes the injuries sustained by the driver.

Occupant: Driver
Restraints: 3-point belt worn; airbag deployed

Age: 38 years
Stature: 167 cm (5 ft 6 in)

Sex: Female
Mass: 70 kg (155 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Contusion to left breast	1	Shoulder belt		
Abrasion to inner left elbow	1		Deploying airbag	
Contusion over abdomen	1	Lap belt		
Contusion to left knee	1	Underside of steering column		
Abrasion to left knee	1	Underside of steering column		
Sprained right ankle	1		Floor pan	
1-cm laceration to right ankle	1	Bronze boot hook		
<u>Maximum A.I.S. Level</u>	1			
<u>Injury Severity Score</u>	2			

VERSION 05 - [REDACTED] 1996

ADMINISTRATIVE

AD-1

TEAM CODE	30	NO. OF CASE VEHICLES IN ACCIDENT	1
ACCIDENT ID	03732	NUMBER OF SLIDES	3 15
VEHICLE NUMBER	1	TEAM REPORT NUMBER	
MODULE	A D	UM - 3732 - 98	
FORMAT	0 1	18	27
FORM VERSION	0 5	28	37

SPECIAL STUDY	99
(00) None	38
(01) Offset Frontal	39
(98) Not Applicable	

DATE OF FIELD INVESTIGATION: 98

INVESTIGATOR: [REDACTED]

LOCATION WHERE VEHICLE WAS EVALUATED: M1

CIRCLE PHOTO RECORDS MADE:SLIDES

NEGATIVES

POLAROIDS

REPORT PREPARED BY: [REDACTED]

Duplicate columns 1-8
from the previous card.Module G 1 Format 0 1
9 10 11 12

GENERAL INFORMATION GI-1

TIME

DATE OF COLLISION

m m / - d d / y y

HOUR OF COLLISION
(24 HOUR CLOCK)

19 - - - 22

LOCATION

MI

STATE: _____

STATE FIPS CODE

26
23 - 24

AREA

- (1) URBAN
- (2) RURAL
- (9) UNKNOWN

1
25

ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO
- (1) YES
- (9) UNKNOWN

1
26ROAD, TOTAL TRAFFIC LANES
(FOR CASE VEHICLE)

- (1) 1-LANE
- (2) 2-LANES
- (3) 3-LANES
- (4) 4 OR MORE LANES
- (5) DIVIDED, 4 OR MORE LANES
- (6) PARKING LOT/DRIVeway
- (7) OTHER: _____
- (9) UNKNOWN

5
27INTERSECTING RD, TOTAL LANES
CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

8
28

TYPE OF ROAD SURFACE

- (1) ASPHALT
- (2) CONCRETE
- (3) GRAVEL
- (4) MORE THAN ONE (CIRCLE EACH)
- (7) OTHER: _____
- (9) UNKNOWN

1
29

ROAD DEFECTS

- (0) NO
- (1) YES
- (9) UNKNOWN

0
30

ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO
- (1) YES
- (9) UNKNOWN

0
31ROAD ALIGNMENT
VERTICAL PLANE

- (1) LEVEL
- (2) CREST OF HILL
- (3) SLOPE (2%)
- (4) BOTTOM OF HILL
- (9) UNKNOWN

1
32ROAD ALIGNMENT
HORIZONTAL PLANE

- (1) STRAIGHT
- (2) CURVE
- (3) T - SHAPED
- (4) Y - SHAPED
- (7) OTHER: _____
- (9) UNKNOWN

1
33

SURFACE COVERING

- (10) DRY
- (21) WATER - DAMP
- (22) WATER - WET
- (23) WATER - PUDDLED
- (29) WATER - AMOUNT UNKNOWN
- (31) SNOW - LOOSE
- (32) SNOW - PACKED
- (39) SNOW - CONDITION UNKNOWN
- (41) ICE
- (51) SLUSH
- (61) SPILLED GRAVEL
- (71) OTHER: _____
- (99) UNKNOWN

10
34 35VISIBILITY LIMITATION
(FOR CASE VEHICLE)

- (0) NONE
- (1) CLOUDY/DARK
- (2) FOG
- (3) SMOKE
- (4) WINDSHIELD CONDITION
- (5) GLARE
- (6) RAIN
- (7) OTHER: _____
- (8) ICE/SNOW
- (9) UNKNOWN

0
36VISIBILITY OBSTRUCTION
(FOR CASE VEHICLE)

- (0) NONE
- (1) BUILDING
- (2) SIGN
- (3) VEGETATION (E.G. BUSHES, SHRUBS)
- (4) TREE
- (5) HILL OR CURVE IN ROAD
- (6) VEHICLE IN TRANSPORT
- (7) OTHER: _____
- (8) PARKED VEHICLE
- (9) UNKNOWN

0
37

GENERAL INFORMATION GI-3

CRASH DETAILS

CASE VEHICLE AND OBJECT

(0) NO
(1) YES
(9) UNKNOWN

1
45

CASE VEHICLE ROLLOVER

(0) NO ROLLOVER
(1) YES, FIRST EVENT
(2) YES, SUBSEQUENT EVENT
(3) YES, SEQUENCE UNKNOWN
(9) UNKNOWN

1
46CASE VEHICLE RAN OFF ROADWAY
(BEFORE FIRST IMPACT)

(0) NO
(1) YES
(9) UNKNOWN

1
47MOVING CASE VEHICLE AND
CONTACTED MOVING VEHICLE

(0) NO
(1) YES
(9) UNKNOWN

1
48CASE VEHICLE AND
CONTACTED STOPPED VEHICLE

(0) NO
(1) YES
(9) UNKNOWN

1
49STOPPED CASE VEHICLE AND
CONTACTED VEHICLE

(0) NO
(1) YES
(9) UNKNOWN

1
50TOTAL NUMBER
OF VEHICLES CONTACTED
BY CASE VEHICLE IN CRASH

(8) 8 OR MORE
(9) UNKNOWN

1
51ANY FIRE IN THIS CRASH
(NOT JUST CASE VEHICLE)

(0) NO
(1) YES
(9) UNKNOWN

1
52HIGHEST POLICE INJURY
SEVERITY CODE IN CRASH
(NOT JUST CASE VEHICLE)

(0) O - NO INJURY
(1) C - POSSIBLE INJURY
(2) B - NON-INCAPACITATING INJURY
(3) A - INCAPACITATING INJURY
(4) K - FATAL
(5) INJURED, SEVERITY UNKNOWN
(6) DIED PRIOR TO ACCIDENT
(7) NON-FATAL INJURY
SEVERITY UNKNOWN
(9) UNKNOWN

1
53

DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT
(CASE VEHICLE)

(0) NONE
(1) YES
(9) UNKNOWN/NOT REPORTED/
NO DRIVER

1
54DRIVER ALCOHOL BAC
(CASE VEHICLE)

(80) NO TEST
(90) CHEMICAL TESTS, NO RESULTS
(95) AUTOPSY, NO RESULTS
(99) UNKNOWN

1
55
56WAS THERE MENTION OF DRIVER
IMPAIRMENT FOR CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

1
57

LIST IMPAIRMENTS MENTIONED:

POST - CRASH DETAIL

MANNER CASE VEHICLE
LEFT SCENE

(1) DRIVEN
(2) TOWED DUE TO DAMAGE
(3) TOWED, NOT DUE TO DAMAGE
(4) TOWED, REASON UNKNOWN
(9) UNKNOWN

2
58

ACCIDENT SCHEMATIC

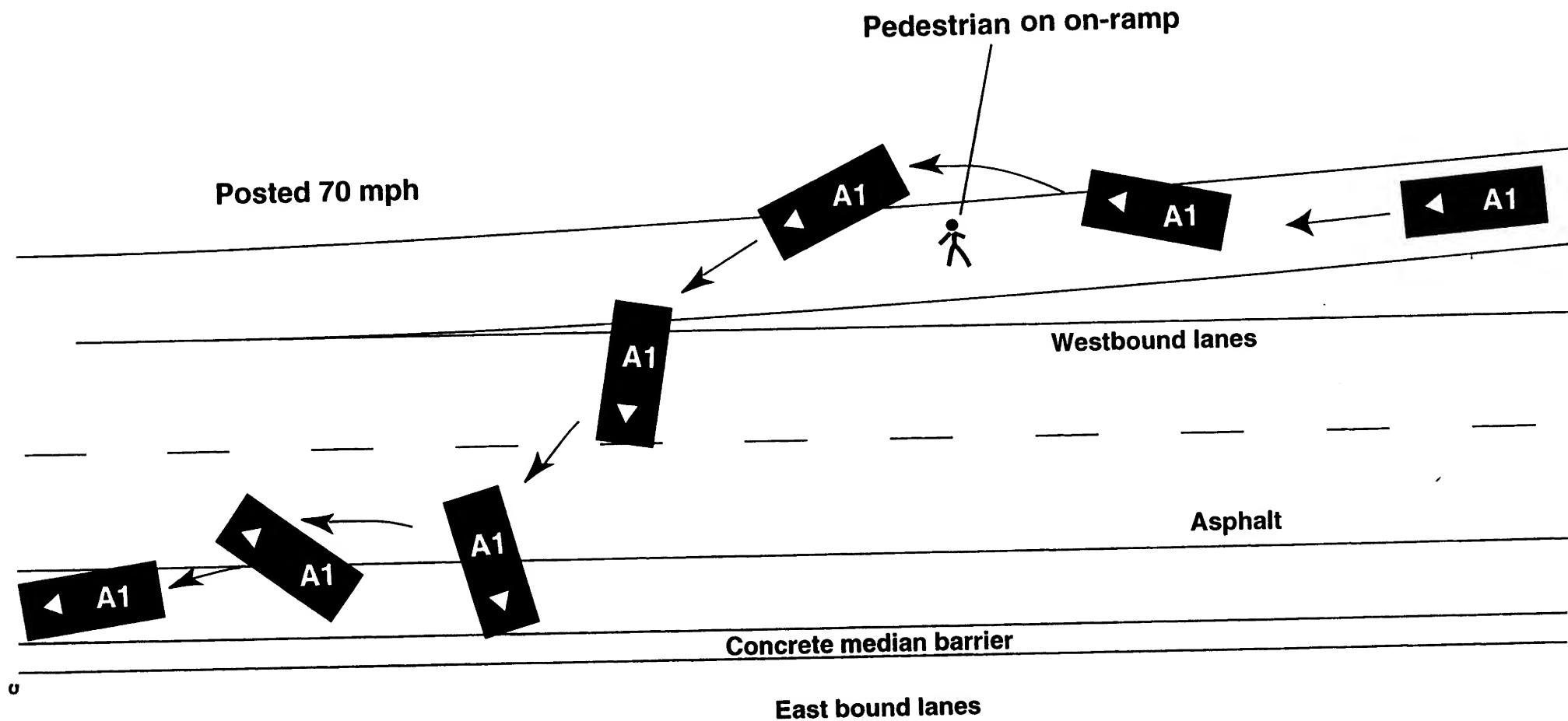
BEST AVAILABLE COPY

ACCIDENT DESCRIPTION: Case vehicle (A) was traveling in the westbound on-ramp preparing to merge into traffic on a divided highway. The driver swerved right to avoid a pedestrian on the on-ramp. Case vehicle (A) entered a counter clockwise yaw, crossed the westbound traffic lanes and struck a concrete barrier with its front end and came to rest on the paved shoulder on the south side of the road facing west.

CASE VEHICLE (A): 1998 Oldsmobile Intrigue Q
OTHER VEHICLE (B): N/A
THIRD VEHICLE (C): N/A



NORTH



Duplicate columns 1-8 from the previous card.		Module <u>Q</u> 9	<u>V</u> 10	Format <u>0</u> 11	<u>1</u> 12	OTHER VEHICLE	OV-1
MAKE: _____			CARGO: _____				
MODEL: _____							
VIN _____						29	
MANUFAC/BODY CODE _____						30	34
MAKE/MODEL CODE _____						38	54 55
MODEL YEAR N/A 1 9 _____							
VEHICLE MASS (kg) _____						41	46
IF SEPARATE REPORT WAS MADE, GIVE VEHICLE NUMBER _____							
NUMBER OF OCCUPANTS (ENTER 9'S IF UNKNOWN) _____						49	
TRAVELING SPEED (km/h) _____						52	
(000) PARKED OR STOPPED (995) JUST STARTING UP (996) BACKING UP (997) SPEED NOT EXCESSIVE (BUT UNKNOWN) (998) SPEED EXCESSIVE (BUT UNKNOWN) (999) UNKNOWN							
HIGHEST POLICE INJURY SEVERITY CODE FOR THIS VEHICLE						53	
(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (8) UNOCCUPIED VEHICLE (NOT APPLICABLE) (9) UNKNOWN							
VEHICLE TYPE							
PASSENGER VEHICLE							
(02) LARGE (03) LIMOUSINE (17) PICKUP CAR (20) UNKNOWN PASSENGER VEHICLE BODY (24) SUB-MINI (25) MINI (26) SUB-COMPACT (27) COMPACT (28) INTERMEDIATE (29) FULL							
MULTIPURPOSE PASSENGER VEHICLE							
(14) SMALL UTILITY (WHEELBASE LESS THAN 107'. E.G. JEEP, BRONCO) (15) LARGE UTILITY (WHEELBASE MORE THAN 107'. E.G. PANEL TRUCK, SUBURBAN) (16) PICKUP TRUCK WITH CANOPY/SHELL COVER (17) PICKUP CAR WITH CANOPY/SHELL COVER (21) MOTOR HOME (22) PICKUP TRUCK WITH SLIDE-IN CAMPER (23) PICKUP CAR WITH SLIDE-IN CAMPER (31) CHASSIS-MOUNTED CAMPER							
TRUCK							
(11) VAN (12) PICKUP TRUCK (13) UNKNOWN LIGHT TRUCK (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN) (16) PICKUP TRUCK WITH CANOPY/SHELL COVER (22) PICKUP TRUCK WITH SLIDE-IN CAMPER (30) UNKNOWN TRUCK TYPE (31) CHASSIS-MOUNTED CAMPER (33) DELIVERY VAN (WALK-IN) (34) STRAIGHT TRUCK (35) TRUCK-TRACTOR (BOOSTAIL) (36) CHASSIS-CAB (37) UNKNOWN HEAVY TRUCK (38) TRACTOR & SEMI-TRAILER (SEMI) (39) TRUCK (OR SEMI) & FULL TRAILER(S)							
BUS							
(40) UNKNOWN BUS TYPE (41) SCHOOL BUS (42) INTERCITY BUS (BETWEEN CITIES) (43) TRANSIT BUS (INTRACITY) (44) STREETCAR (ON TRACKS) (68) TRAIN (CARS) (69) LOCOMOTIVE (ENGINE, SWITCHER)							
(99) UNKNOWN							
WHEELBASE (cm)							
(999) UNKNOWN						56 57 58	

Duplicate columns 1-8
from the previous card.

Module Q V Format 0 2
9 10 11 12

OTHER VEHICLE OV-2

ORIGINAL SPECIFICATIONS

Wheelbase	_____ cm	Front Overhang	_____ cm
		22	24
Curb Weight	_____ kg	Rear Overhang	_____ cm
		25	27
Average Track Width	_____ 13 15 cm	Undeformed End Width (UEW)	_____ 28 30 cm
Overall Length	_____ 16 18 cm	Engine Displacement	_____ 31 32 L
Overall Width (OAW)	_____ 19 21 cm	Engine: # of Cylinders	_____ 33 34

VEHICLE DAMAGE

N/A

FRONTAL CRASH OVERLAP

Round up for .5. $98 = 98\%$ or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) cm

Front-End Overlap (Percent) = DDI _____ %
UEW _____ 36 39

$$\text{Vehicle Overlap (Percent)} = \frac{\text{DDL} + 1/2(\text{OAW} - \text{UEW})}{\text{OAW}} \quad \text{_____} \quad \% \quad \text{40} \quad \text{41}$$

Duplicate columns 1-8
from the previous card.Module V 9 D 10 Format 0 1 11 12

VEHICLE DESCRIPTION VD-1

MAKE: Oldsmobile
MODEL: IntrigueCARGO: None per driver

VIN

13

29

MANUFAC/BODY CODE

11428
30 34

MAKE/MODEL CODE

0629
388
60

MODEL YEAR

19 98

VEHICLE MASS (kg)

00 0 1 5 5 4
41 46

ODOMETER (km)

(ENTER 9'S IF UNKNOWN)

(ENTER 8'S IF ELECTRONIC)

88 888 8
47 522
61

NUMBER OF OCCUPANTS

(ENTER 9'S IF UNKNOWN)

01
54

TRAVELING SPEED (km/h)

999
57

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

VEHICLE TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
- (12) 2-DOOR SEDAN OR COUPE
(ANY UPPER B-PILLAR)
- (13) 4-DOOR HARDTOP
- (14) 4-DOOR SEDAN
- (15) STATION WAGON
- (16) CONVERTIBLE
- (18) OTHER PASS. VEH. : _____
- (19) PASSENGER VEHICLE, TYPE UNKNOWN

14
58 59LOCATION OF TRANSMISSION
SELECTOR LEVER

- (1) FLOOR
- (2) CONSOLE
- (3) COLUMN
- (7) OTHER: _____
- (9) UNKNOWN

2
62

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
- (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (23) VAN, SIZE UNKNOWN
- (24) VAN, SMALL (MINI)
- (25) VAN, LARGE
- (29) MPV, TYPE UNKNOWN
- (30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN
- (32) PICKUP TRUCK, SMALL (DOWNSIZED)
- (33) PICKUP TRUCK, LARGE
- (99) UNKNOWN

STEERING

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1
63

BRAKES

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1
64

Duplicate columns 1-8
from the previous card.Module V 9 D 10 Format 0 11 2 12

VEHICLE DESCRIPTION VD-3

Wheelbase

277 cm

ORIGINAL SPECIFICATIONS

Curb Weight

1554 kg

Front Overhang

109 cm

Average Track Width

157 cm111 cm

Overall Length

498 cm

Undeformed End Width (UEW)

158 cm

Overall Width (OAW)

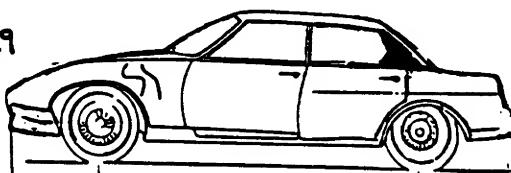
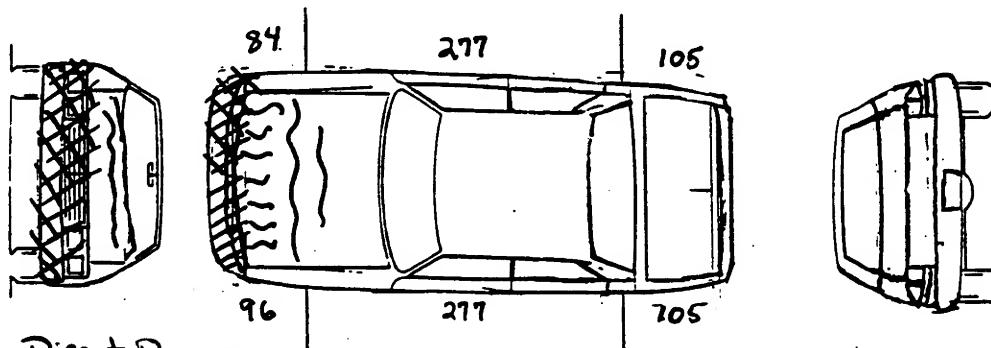
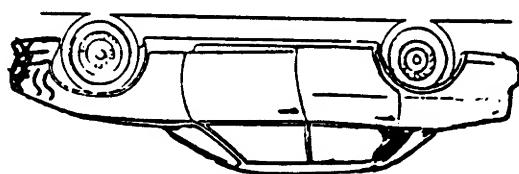
187 cm

Engine Displacement

3.8 L06

Engine: # of Cylinders

VEHICLE DAMAGE



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

141 cmFront-End Overlap (Percent) = DDL _____89 %UEWVehicle Overlap (Percent) = DDL + 1/2 (OAW - UEW) _____83 %OAW

Duplicate columns 1-8 from the previous card.				Module <u>D</u> <u>A</u> Format <u>0</u> <u>2</u>	DAMAGE DA-1			
PRIMARY	CASE VEHICLE PRIMARY CDC			CONTACTED VEHICLE ASSOCIATED CDC				
	1							
	9	9	9	9	8			
	14	15	16	35	36	37		
	1			8				
	29			9	9	8		
	18	19	20	39	40	41		
CDC #1			98	0	0	0	0	1
CDC #2			98	0	0	0	0	0
28			49	40	41	55		
Duplicate columns 1-8 from the previous card.				Module <u>D</u> <u>A</u> Format <u>0</u> <u>3</u>				
SECONDARY	CASE VEHICLE SECONDARY CDC			CONTACTED VEHICLE ASSOCIATED CDC				
	8							
	13							
	14	15	16	35	36	37		
	17			38				
	18	19	20	39	40	41		
CDC #1			42	43	44	45		
CDC #2			49	50	51	52		
21			27					
28			34					
CODES								
EVENT NUMBER	IMPACT SPEED ESTIMATOR			CRUSH				
(8) NOT APPLICABLE	(1) INVESTIGATOR			(998) NOT APPLICABLE				
(9) UNKNOWN	(2) DRIVER			(999) UNKNOWN				
IMPACT SPEED	(3) POLICE			(NO VEHICLE/DAMAGE)				
(998) NOT APPLICABLE	(4) "CRASH" PROGRAM							
(999) UNKNOWN	(5) OTHER COMPUTER PROGRAM							
	SPECIFY: _____			CDC				
	(7) OTHER: _____			(980000) NOT APPLICABLE				
	(8) NOT APPLICABLE			(990000) UNKNOWN				
	(NO VEHICLE/NO IMPACT)							

Duplicate columns 1-8
from the previous card.Module D A Format 0 1
9 10 11 12

DAMAGE DA-2

MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 13 15 29

RIGHT SIDE

16 18 18REAR 19 21 10

LEFT SIDE

22 24 10ROOF 25 27 10

OTHER

28 30 10CHRONOLOGICAL SEQUENCE
OF DAMAGE/INJURY PRODUCING CRASH EVENTS
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER
IS UNKNOWN, EVENT
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE
TO BE IN CHRONOLOGICAL ORDER?1
31(0) NO
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>2</u> 32	<u>17</u> 34	<u>95</u> 36
# 2	— 37	— 39	— 41
# 3	— 42	— 44	— 46
# 4	— 47	— 49	— 51
# 5	— 52	— 54	— 56
# 6	— 57	— 59	— 61
# 7	— 62	— 64	— 66

DAMAGE DA-3

CODES FOR
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPE BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPE BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPE BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPE BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE

WHEELBASE

SUB-MINI	< 2286 mm (< 90°)
MINI	2286 - 2412 mm (90° - 94.9°)
SUB-COMPACT	2413 - 2539 mm (95° - 99.9°)
COMPACT	2540 - 2666 mm (100° - 104.9°)
INTERMEDIATE	2667 - 2793 mm (105° - 109.9°)
FULL	2794 - 2920 mm (110° - 114.9°)
LARGE	2921 - 3174 mm (115° - 124.9°)
LIIMOUSINE	> 3175 mm (> 125°)

MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107',
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107',
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/HELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

MOTORCYCLE

(50) UNKNOWN MOTORCYCLE TYPE
(51) 1 - 75 cc
(52) 76 - 125 cc
(53) 126 - 250 cc
(54) 251 - 500 cc
(55) 501 - 750 cc
(56) 751 cc +
(57) 3-WHEELS (OR WITH SIDECAR)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO).
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDAL CYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE..
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

Duplicate columns 1-8
from the previous card.Module C R Format 0 1
9 10 11 12

CRASH RECONSTRUCTION

CR-1

for ΔV

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE		
EVENT NUMBER	<u>1</u> 13				47	
ΔV (km/h)	TOTAL	<u>0</u> <u>2</u> <u>0</u> 14 15 16	<u>8</u> <u>8</u> <u>8</u> 32 33 34	<u>4</u> <u>8</u> <u>9</u> 48 49 50		<u>6</u> <u>6</u> <u>8</u> 66 67 68
	LONGITUDINAL*	<u>-</u> <u>0</u> <u>1</u> <u>6</u> 17 20	<u>8</u> <u>8</u> <u>8</u> 35 38	<u>5</u> <u>1</u> <u>6</u> 51 54		<u>6</u> <u>9</u> <u>7</u> 69 72
	LATERAL*	<u>-</u> <u>0</u> <u>1</u> <u>3</u> 21 24	<u>8</u> <u>8</u> <u>8</u> 39 42	<u>5</u> <u>5</u> <u>6</u> 55 58		<u>7</u> <u>3</u> <u>7</u> 73 76
	NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN.					
	EXAMPLES: 10 km/h = ± 0.10 -7 km/h = ± 0.07					
ENERGY DISSIPATED BY CRUSH (kJ)		<u>0</u> <u>0</u> <u>4</u> <u>8</u> 25 28	<u>8</u> <u>8</u> <u>8</u> 43 46	<u>5</u> <u>9</u> <u>6</u> 59 62		<u>7</u> <u>7</u> <u>8</u> 77 80
RECONSTRUCTION		<u>2</u> <u>2</u> 29 30			<u>6</u> <u>3</u> <u>6</u> 63 64	
	(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL					
	(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL					
	(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL					
	(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL					
NOT RECONSTRUCTED BECAUSE						
	(02) INSUFFICIENT DATA					
	(03) EXCESSIVE UNDERRISE/ OVERRISE					
	(04) ROLLOVER					
	(05) VAULTING					
	(06) OTHER TRAVEL IN MORE THAN ONE PLANE					
	(07) NON-HORIZONTAL FORCE					
	(08) SIDESWIPE-TYPE DAMAGE					
	(09) YIELDING OBJECT					
	(10) OTHER: _____					
	(11) AT LEAST ONE VEHICLE BEYOND SCOPE					
	(12) OTHER VEHICLE NOT INSPECTED					
MODE		<u>5</u> 31			<u>6</u> 65	
	(1) CDC ONLY					
	(2) CDC & DETAILED DAMAGE					
	(3) TRAJECTORY & CDC					
	(4) TRAJECTORY & CDC & DETAILED DAMAGE					
	(5) NOT RECONSTRUCTED					
COMPUTER PROGRAM SPECIFY: <u>SMASH</u>						

Duplicate columns 1-8
from the previous card.Module C B Format 0 2
9 10 11 12CRASH RECONSTRUCTION CR-2
for EBS

	CASE VEHICLE PRIMARY IMPACT				CASE VEHICLE SECONDARY IMPACT			
	CASE VEHICLE		CONTACTED VEHICLE		CASE VEHICLE		CONTACTED VEHICLE	
	13	47	48 49 50	66 67 68	51	54	69	72
EVENT NUMBER	1							
EBS (km/h) TOTAL	0 2 0 14 15 16	8 8 8 32 33 34						
LONGITUDINAL*	- 0 1 6 17 20	8 8 8 8 35 38						
LATERAL*	- 0 1 3 21 24	8 8 8 8 39 42						
NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.								
EXAMPLES: 10 km/h = +0.10 -7 km/h = -0.07								
ENERGY DISSIPATED BY CRUSH (kJ)	0 0 4 8 25 28	8 8 8 8 43 46						
RECONSTRUCTION	48,333							
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	2 2 29 30						63 64	
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL								
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL								
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL								
NOT RECONSTRUCTED BECAUSE								
(02) INSUFFICIENT DATA								
(03) EXCESSIVE UNDERRIDE/ OVERRISE								
(04) ROLLOVER								
(05) VAULTING								
(06) OTHER TRAVEL IN MORE THAN ONE PLANE								
(07) NON-HORIZONTAL FORCE								
(08) SIDESWIPE-TYPE DAMAGE								
(09) YIELDING OBJECT								
(10) OTHER: _____								
(11) AT LEAST ONE VEHICLE BEYOND SCOPE								
(12) OTHER VEHICLE NOT INSPECTED								
MODE	2 31						65	
(1) CDC ONLY								
(2) CDC & DETAILED DAMAGE								
(3) TRAJECTORY & CDC								
(4) TRAJECTORY & CDC & DETAILED DAMAGE								
(5) NOT RECONSTRUCTED								
COMPUTER PROGRAM SPECIFY: <u>SM AWT</u>								

Duplicate columns 1-8
from the previous card.Module C R Format 0 3
9 10 11 12

CRASH RECONSTRUCTION CR-3

NOTES:

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE C₁ TO C₆ FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.

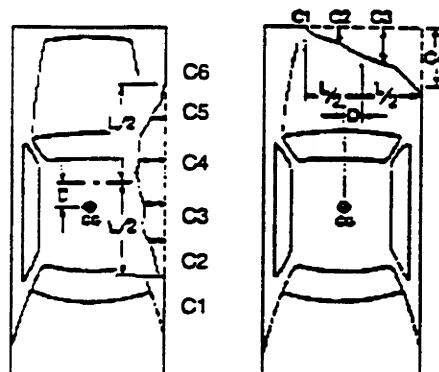
3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Begins <u>R</u> front bumper corner	B.C. to B.C.

DL 128
UDL 30

PLANE:
 (1) Bumper
 (2) Above Bumper
 (3) Sill
 (4) Above Sill
 (5) Other _____
 (9) Unknown

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage	Length (DDL)	Max Crush	Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
1	Bumper	141	C5	128	26 24 26 29 34.5 38							+14
	-Freespace				-20 -6 -1 -1 -6 -20							
					6 18 25 28 29 18							
1	1	141	①29	128	①06 ①18 ①25 ①28 ①29 ①18							+014
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45	
2												

Duplicate columns 1-8
from the previous card.Module C R Format 0 4
9 10 11 12

CRASH RECONSTRUCTION CR-4

NOTES:

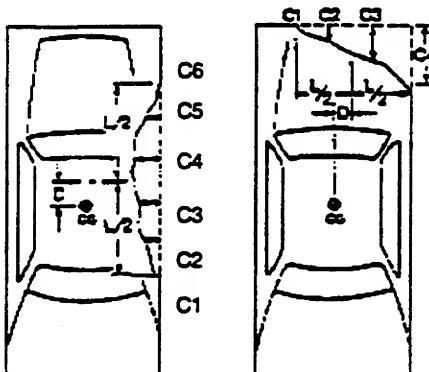
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

OTHER VEHICLE
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

N/A



PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other _____
- (9) Unknown

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
		Length (DDL)	Max Crush								
1											
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8
from the previous card.Module W 9 T 10 Format 0 11 1 12

WHEELS AND TIRES

WT-1

WHEELS--DAMAGED

(0) NO
(1) YES
(9) UNKNOWN

LF 0
13RF 0
13RR 0
13LR 0
16

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF P22560R16
25RF P22560R16
35RR P22560R16
45LR P22560R16
55

TIRE TREAD TYPE

(1) REGULAR
(2) SNOW
(3) SLICKS
(4) ALL WEATHER (MS)
(7) OTHER: _____
(9) UNKNOWN

LF 4
17RF 4
17RR 4
17LR 4
20

CARCASS CONSTRUCTION

(1) BIAS
(2) BELTED BIAS
(3) RADIAL
(4) ELLIPTICAL
(5) HI PRESSURE SPARE
(6) SPACE SAVER SPARE
(7) OTHER: _____
(9) UNKNOWN

LF 3
21RF 3
21RR 3
21LR 3
24IF VEHICLE IS EQUIPPED WITH DUAL
WHEELS, COMPLETE FOR OUTER WHEELS
AND MAKE NOTES ON INNER WHEELS.

NOTES: _____

Duplicate columns 1-8
from the previous card.Module F I Format 0 1
9 10 11 12

FUEL AND FUEL TANKS FT-1

TYPE OF PROPULSIVE FUEL	1	AUXILIARY TANK TYPE	A
(1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN	13	(1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	21
MAIN TANK LOCATION	322	AUXILIARY TANK LOCATION	888
MAIN FILLER CAP LOCATION	113	AUXILIARY FILLER CAP LOCATION	888
MAIN TANK MATERIAL	1	AUXILIARY TANK MATERIAL	8

TANK AND FILLER CAP LOCATION CODES

FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module F L Format 0 1
9 10 11 12

FUEL LEAKAGE FL-1

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.(1) YES COMPLETE PAGE.

13

LEAK NUMBER	LEAKING COMPONENT	COMPONENT SOURCE	TYPE OF DAMAGE	SEVERITY OF DAMAGE	LOCATION OF LEAK	EVENT NUMBER
#1	14 15	—	—	—	—	21
#2	22 23	—	—	—	—	29
#3	30 31	—	—	—	—	37
#4	38 39	—	—	—	—	45
#5	46 47	—	—	—	—	53

I LEAKING COMPONENT

TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN
- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT (LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT (LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module F A Format 0 1
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.(1) YES COMPLETE PAGE.

13

DID FIRE START IN CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

—
14

SEVERITY OF FIRE DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (9) UNKNOWN

—
16

FLAME PROPAGATION RATE

- (1) RAPID/EXPLOSIVE
- (2) SLOW/MODERATE
- (9) UNKNOWN

—
15DID AN INJURY TO CASE
VEHICLE OCCUPANT RESULT FROM
FIRE IN OR ON CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

—
17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8
from the previous card.Module E D Format 0 1
9 10 11 12

EXTERIOR DAMAGE

ED-1

HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

HOOD LATCH(ES)-

-RELEASED

1
13

-DAMAGED

14

-JAMMED

8
15

HOOD HINGES-

-LEFT, DAMAGED

1
16

-LEFT, SEPARATED (COMPLETE)

1
17

-RIGHT, DAMAGED

1
18

-RIGHT, SEPARATED (COMPLETE)

1
19

HOOD REMAINED ON VEHICLE

1
20

REAR EDGE OF HOOD-

-ELEVATED

1
21

-CONTACTED WINDSHIELD

1
22

-PENETRATED WINDSHIELD

1
23

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE
- (2) COWL AREA
- (3) SIDE
- (8) NOT APPLICABLE
- (9) UNKNOWN

1
24

ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

1
25

- (0) NO
- (1) YES
- (9) UNKNOWN

STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE
- (1) FLEXIBLE MATERIAL
- (2) POT
- (3) SINGLE U-JOINT
- (4) DOUBLE U-JOINT
- (5) FLEXIBLE CABLE
- (6) COMBINATION OF ABOVE (CIRCLE EACH)
- (7) OTHER: _____
- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN, IF EQUIPPED

9
26

COUPLING-

-DAMAGED

9
27(USE CODES
FROM HOOD
PERFORMANCE)-SEPARATED
(COMPLETE)9
28

ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED
- (01) - (07) SEE UNITS ON PAGE ED-2
- (88) NOT COLLECTED
- (97) OTHER: _____
- (98) EQUIPPED, TYPE UNKNOWN
- (99) UNKNOWN IF EQUIPPED

8 8
29 30

ORIGINAL LENGTH (mm)

F (OR H): _____

TELESCOPED LENGTH (mm)

G: _____

DIFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8
31 32 33

EXTERIOR DAMAGE

ED-2

LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

8
34

LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

(0) NO
 (1) YES
 (4) NO SEPARATION, BUT DAMAGED
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

-A-PILLAR, UPPER

0
35

LOWER

0
36

-B-PILLAR, UPPER

0
37

LOWER

0
38

-C-PILLAR, UPPER

0
39

LOWER

0
40

-D-PILLAR, UPPER

8
41
8
42

LEFT DOORS

HOW DID DOORS
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

(1) HINGE AREA SEPARATION
 (2) DOOR-LATCH SEPARATION
 (3) LATCH-STRIKER SEPARATION
 (4) STRIKER-PILLAR SEPARATION
 (5) BODY DISTORTION
 (6) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (7) OPENED, REASON UNKNOWN
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

-REAR

0
43
0
44

DOORS JAMMED CLOSED-

USE CODES:

(0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

-REAR

0
45
0
46

EXTERIOR DAMAGE

ED-3

REAR DOOR

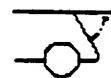
REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

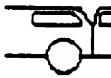
Hatchback



One-way



Two-way



Clamshell



Single door



Double door



HOW DID DOOR OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE (CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

47
8

OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

50
8

SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

51
8

TRAILER HITCH TYPE

- (0) NO HITCH

BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

52
8

OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

48
8

TRAILER TYPE (AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: _____
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

53
8

49
8

EXTERIOR DAMAGE

ED-4

RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

(0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

8
54

RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

(0) NO
(1) YES
(4) NO SEPARATION, BUT DAMAGED
(8) NOT APPLICABLE (NOT EQUIPPED)
(9) UNKNOWN

-A-PILLAR, UPPER

0
55

LOWER

0
56

-B-PILLAR, UPPER

0
57

LOWER

0
58

-C-PILLAR, UPPER

0
59

LOWER

0
60

-D-PILLAR, UPPER

8
61

LOWER

8
62

RIGHT DOORS

HOW DID DOORS
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

(01) HINGE AREA SEPARATION
(02) DOOR-LATCH SEPARATION
(03) LATCH-STRIKER SEPARATION
(04) STRIKER-PILLAR SEPARATION
(05) BODY DISTORTION
(06) COMBINATION OF ABOVE
(CIRCLE EACH)
(07) OPENED, REASON UNKNOWN
(11) VAN RIGHT-REAR DOOR OPENED
(ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)
(99) UNKNOWN

-FRONT

0
63
64

-REAR

0
65
66

DOORS JAMMED CLOSED-

USE CODES:

(0) NO
(1) YES
(8) NOT APPLICABLE (NO DOOR)
(9) UNKNOWN

-FRONT

0
57

-REAR

0
58

VAN REAR DOOR TYPE

(0) VAN, NO REAR DOOR
(1) TRACK (SLIDING) - RIGHT SIDE
(2) SINGLE-HINGED - RIGHT SIDE
(3) DOUBLE-HINGED - RIGHT SIDE
(4) TRACK (SLIDING) - RIGHT & LEFT SIDE
(5) SINGLE-HINGED - RIGHT & LEFT SIDE
(6) DOUBLE-HINGED - RIGHT & LEFT SIDE
(7) TRACK AND HINGED COMBINATION
(8) NOT APPLICABLE (NOT A VAN)
(9) UNKNOWN

8
63

EXTERIOR DAMAGE

ED-5

WINDSHIELD DAMAGE

WINDSHIELD CRACKED

(0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

1
70WINDSHIELD BROKEN
(PLASTIC INTERLAYER TORN)

(0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

0
71CRACKED OR BROKEN
BY OCCUPANT CONTACT

(0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

0
72

EXTENT OF BOND SEPARATION

(0) NONE
(1) 1 - 20%
(2) 21 - 40
(3) 41 - 60
(4) 61 - 80
(5) 81 - 99
(6) TOTAL
(7) SEPARATED, AMOUNT
UNKNOWN
(8) NOT APPLICABLE
(9) UNKNOWN

0
73

WINDSHIELD MARK ON CASE VEHICLE:

SHADED
SOLAR RAYSAFTY
AS1FL6-LITE
LAMINATED

WINDSHIELD CODE

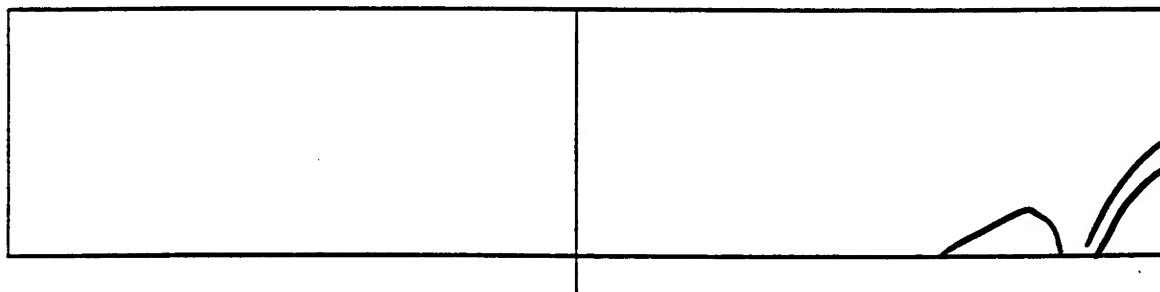
(97) DESCRIBED BUT NOT CODED
(98) NOT APPLICABLE (NO WINDSHIELD)
(99) UNKNOWN

97
74 75

ROOF

DID T-ROOF/SUN ROOF OPEN
DURING COLLISION?8
76

(0) NO
(1) YES
(8) NOT APPLICABLE
(NOT A T-ROOF OR SUN ROOF)
(9) UNKNOWN

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.72
L82
C72
R

Duplicate columns 1-8
from the previous card.Module S C Format 0 1
9 10 11 12

STEERING WHEEL AND COLUMN SC-1

STEERING WHEEL

STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN



13

NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

4
14

STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN



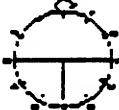
15

STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT OCLOCK POSITION WAS THE
NORMAL TOP OF THE WHEEL POINTED
WHEN THE COLLISION OCCURRED?

EXAMPLES

OCLOCK = 1 2



(99) UNKNOWN

OCLOCK = 9 8



*Per
Driver*

STEERING COLUMN OPTIONS

TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED



16

SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED



17

TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED



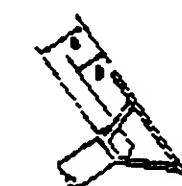
18

STEERING WHEEL ENERGY ABSORBING DEVICE

(1) EXAMPLES:



BARRACUDA, 70-74
CHALLENGER, 70-74
CAPRI, 71-77



EXAMPLES:
OMNI, 78-
HORIZON, 78-

TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: _____
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

8
19

ORIGINAL DIMENSION (mm)

A: _____

DAMAGE DIMENSION (mm)

B: _____

DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8
20 21 22

STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN

ENERGY ABSORBING DEVICE

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

8 8
23 24

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODE 36, 48,
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ± 10)

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

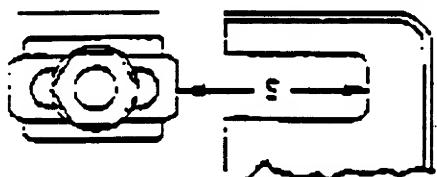
8 8 8
25 27

* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8
28 30

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

1
31

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

1
32

STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

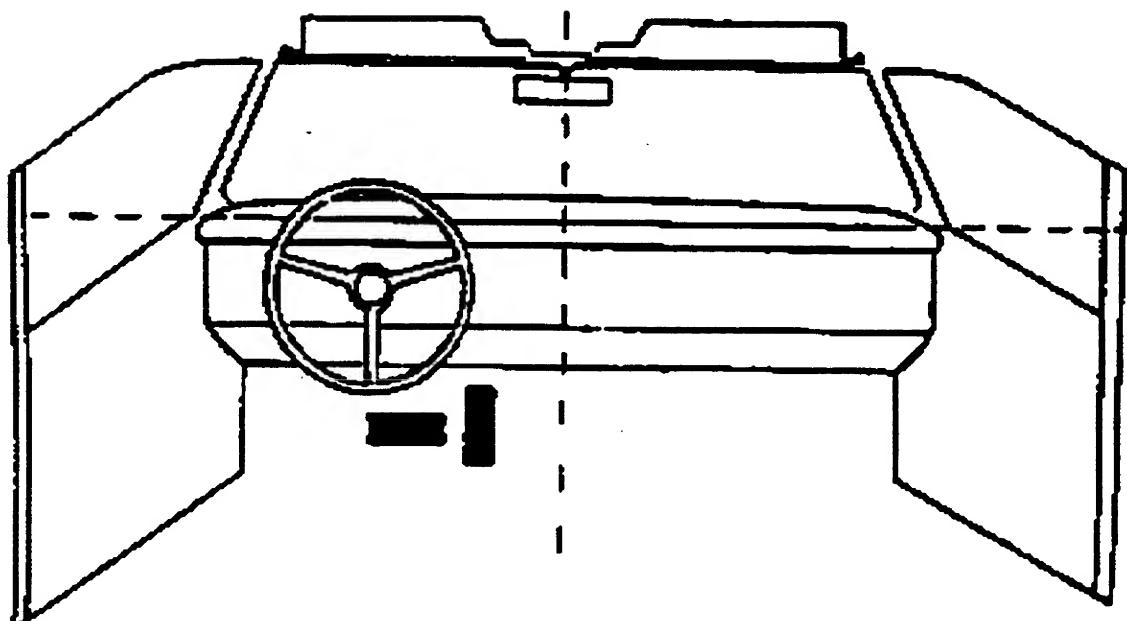
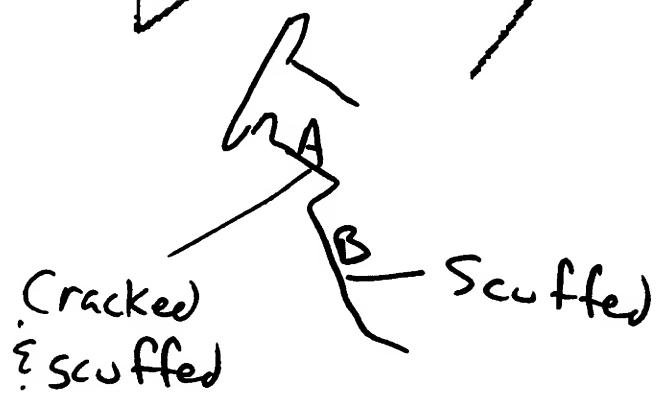
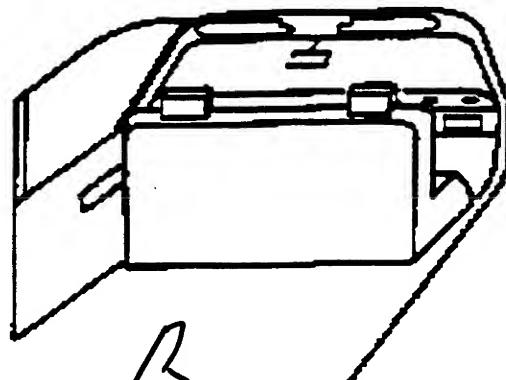
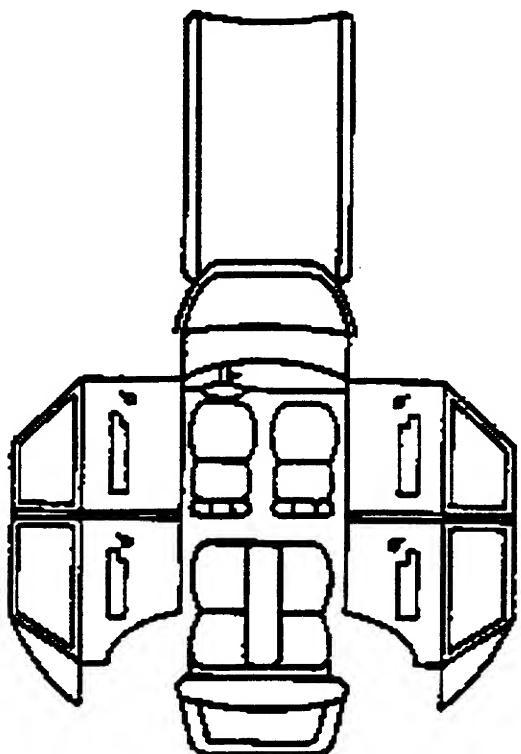
- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER _____
- (9) UNKNOWN

1
33

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Column	1	Knee	Cracked & scuffed cover	
B	Knee bolster	1	Knee	Scuffed	
C					
D					
E					
F					
G					
H					
I					
J					

VEHICLE OCCUPANT CONTACT DIAGRAM



INTRUSION IT-3

CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

(1) LEFT	(3) RIGHT INDIVIDUAL SEAT
(1) LEFT	(2) CENTER	(3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
(1) LEFT	(2) LEFT CENTER	(6) RIGHT (3) RIGHT CENTER BENCH: FULL WIDTH 4 PASSENGER
(1) LEFT	(2) CENTER	(5) RIGHT & BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
(0) LEFT & SPACE	(2) CENTER	(5) RIGHT & BENCH: PARTIAL WIDTH, CENTERED SPACE
(4) ENTIRE VEHICLE WIDTH	 CARGO AREA

EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN
12 PASSENGER CAPACITY

X	X	11	13
X	X	21	22 25
X	X	31	32 35
X	X	41	42 46 43

CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
- (Y) Y-AXIS (LATERAL)
- (Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT

INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER
COMPARTMENT BUT PART
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,
JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- (50) WINDSHIELD HEADER
A-PILLAR
ROOF SIDE RAIL
- (51) INSTRUMENT PANEL
A-PILLAR
DOOR PANEL
- (52) INSTRUMENT PANEL
A-PILLAR
WINDSHIELD HEADER
- (53) DOOR PANEL
B-PILLAR
ROOF RAIL
- (54) DOOR PANEL
A-PILLAR
ROOF RAIL
- (55) INSTRUMENT PANEL
FLOOR PAN
A-PILLAR
DOOR FRAME
- (56) ROOF RAIL
A-PILLAR
B-PILLAR
WINDOW FRAME
- (57) ROOF RAIL
A-PILLAR
B-PILLAR
C-PILLAR
DOOR PANEL
- (58) ROOF
ROOF RAIL
WINDOW FRAME
DOOR PANEL
- (59) BACKLIGHT HEADER
ROOF
C-PILLAR
THIRD SEAT-BACK
- (60) ROOF
ROOF RAIL
A-PILLAR
B-PILLAR
C-PILLAR
WINDOW FRAME
DOOR PANEL
FLOOR PAN
- (61) INSTRUMENT PANEL
TOE PAN
WINDSHIELD HEADER
A-PILLAR
ROOF RAIL
WINDOW FRAME
DOOR PANEL
ROOF
- (62) ROOF
ROOF RAIL
C-PILLAR
WINDOW FRAME
FLOOR PAN
SECOND SEAT
DOOR PANEL
- (63) ROOF RAIL
ROOF
B-PILLAR
WINDOW FRAME
FLOOR PAN
DOOR PANEL
SECOND SEAT
FRONT SEAT
- (64) ROOF RAIL
ROOF OR CONVERTIBLE TOP
A-PILLAR
B-PILLAR
WINDOW FRAME
WINDOW HEADER
- (65) WINDSHIELD
WINDSHIELD HEADER
ROOF SIDE RAIL
- (66) WINDSHIELD
WINDSHIELD HEADER
A-PILLAR
- (98) NOT APPLICABLE
- (99) UNKNOWN

Duplicate columns 1-8
from the previous card.Module 1 2 Format 0 1
9 10 11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION?

13

WAS INTRUSION CATASTROPHIC?

14

(0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.
 (1) YES ANSWER NEXT QUESTION.
 (9) UNKNOWN SKIP PAGE.

(0) NO COMPLETE PAGE.
 (1) YES SKIP PAGE.

Duplicate columns 1-8
from the previous card.Module 1 2 Format 0 2
9 10 11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E INTRUDING MAXIMUM INTRUSION X AXIS (cm)	F INTRUSION MAXIMUM INTRUSION Y AXIS (cm)	G INTRUSION MAXIMUM INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 1	—	—	—	—	—	—	—	—	—	—
0 2	—	—	—	—	—	—	—	—	—	—
0 3	—	—	—	—	—	—	—	—	—	—
0 4	—	—	—	—	—	—	—	—	—	—
0 5	—	—	—	—	—	—	—	—	—	—
0 6	—	—	—	—	—	—	—	—	—	—
0 7	—	—	—	—	—	—	—	—	—	—

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8
from the previous card.Module 1 2 Format 0 3
9 10 11 12NOTE: IF NO SIDE DOOR INTRUSION,
SKIP REMAINDER OF PAGE.SIDE DOOR INTRUSION
RESULTED FROMINTRUSION
NUMBERCAUSE
CODES
FOR CAUSE:

13

15 (1) DIRECT
IMPACT

16

18 (2) INDUCED
DAMAGE

19

21 (9) UNKNOWN

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED
DOOR INTRUSION, CODE COMPONENTINTRUSION
NUMBERDAMAGED
COMPONENT 1DAMAGED
COMPONENT 2CODES
FOR COMPONENTSA 22 23

25

(0) NONE

(1) A-PILLAR

(2) B-PILLAR

(3) C-PILLAR

(4) LATCH/STRIKER

(5) HINGES

(7) OTHER: _____

B 26 27

29

(8) NOT APPLICABLE

C 30 31

33

(9) UNKNOWN

D 34 35

37

INTRUSION NUMBER	CAUSE CODES FOR CAUSE:	COMPONENT	INJURY NUMBER
13	15 (1) DIRECT IMPACT	A <u>22</u> <u>23</u>	25
16	18 (2) INDUCED DAMAGE	B <u>26</u> <u>27</u>	29
19	21 (9) UNKNOWN	C <u>30</u> <u>31</u>	33
		D <u>34</u> <u>35</u>	37

Duplicate columns 1-8
from the previous card.Module 1 9 Format 0 11
10 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

- ADDITIONAL PAGE -

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E INTRUDING INTRUSION NO.	F MAXIMUM INTRUSION X AXIS (cm)	G MAXIMUM INTRUSION Y AXIS (cm)	G MAXIMUM INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25		26-27	28-29	30-31	32-33
0 8	—	—	—	—	—	—	—	—	—	—	—
0 9	—	—	—	—	—	—	—	—	—	—	—
1 0	—	—	—	—	—	—	—	—	—	—	—
1 1	—	—	—	—	—	—	—	—	—	—	—
1 2	—	—	—	—	—	—	—	—	—	—	—
1 3	—	—	—	—	—	—	—	—	—	—	—
1 4	—	—	—	—	—	—	—	—	—	—	—
1 5	—	—	—	—	—	—	—	—	—	—	—
1 6	—	—	—	—	—	—	—	—	—	—	—
1 7	—	—	—	—	—	—	—	—	—	—	—
1 8	—	—	—	—	—	—	—	—	—	—	—
1 9	—	—	—	—	—	—	—	—	—	—	—
2 0	—	—	—	—	—	—	—	—	—	—	—
2 1	—	—	—	—	—	—	—	—	—	—	—
2 2	—	—	—	—	—	—	—	—	—	—	—
2 3	—	—	—	—	—	—	—	—	—	—	—
2 4	—	—	—	—	—	—	—	—	—	—	—
2 5	—	—	—	—	—	—	—	—	—	—	—

Duplicate columns 1-8 from the previous card.		Module <u>1</u> <u>9</u>	<u>D</u> <u>10</u>	Format <u>0</u> <u>11</u>	<u>1</u> <u>12</u>	INTERIOR DAMAGE	ID-1
CODES: (0) NO (1) YES (3) NO, and OCCUPANT CONTACT						(4) YES, and OCCUPANT CONTACT (8) NOT APPLICABLE (9) UNKNOWN	
SIDES	LEFT 	RIGHT 	FRONT FOOT CONTROLS IGNITION KEYS REAR VIEW MIRROR SUNVISOR/FITTINGS (5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES WINDSHIELD TOP MOLDINGS LEFT A-PILLAR (UPPER OR LOWER) RIGHT A-PILLAR (UPPER OR LOWER) CENTER CONSOLE TRANSMISSION SELECTOR LEVER RIM, HORN, SPOKE	 45  46  47  48  49  50         	INSTRUMENT PANEL UPPER PANEL MID PANEL LOWER PANEL ASHTRAY CONTROL KNOBS & LEVERS GLOVE COMPARTMENT AREA INSTRUMENTS PARKING BRAKE RELEASE PARKING BRAKE PEDAL A/C OR UPPER VENT OUTLETS HEATER OR A/C DUCTS RADIO OTHER: * <u>under</u> <u>Side of steering</u> <u>column</u>	 55  56  57  58  59             	
FRONT DOOR	 13	 14			REAR WINDOW WINDOW HEADER	 68  69	
FRONT HARDWARE	 15	 16			CONSOLES VERTICAL ROOF	 70  71	
FRONT ARMREST	 17	 18					
FRONT GLASS	 19	 20					
REAR DOOR AREA	 21	 22					
REAR HARDWARE	 23	 24					
REAR ARMREST	 25	 26					
REAR GLASS	 27	 28					
ROOF SIDE RAIL	 29	 30					
B-PILLAR	 31	 32					
C-PILLAR	 33	 34					
D-PILLAR	 35	 36					
HEADLINING	 37	 38					
ROOF STRUCTURE	 39	 40					
T-ROOF/SUN ROOF	 41	 42					
OTHER: *	 43	 44					

* MORE THAN ONE ITEM MAY BE NOTED.

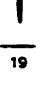
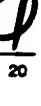
Duplicate columns 1-8 from the previous card.		Module S 9	I 10	Format 0 11	2 12	SEATS	ST-1
FRONT SEAT		DRIVER <u>05</u> 13	PASSENR <u>05</u> 15	FRONT SEAT-BACK		DRIVER <u>3</u> 30	PASSENR <u>3</u> 31
TYPE OF FRONT SEAT				SEAT-BACK TYPE			
(00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN				(1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN			
TYPE OF SEAT MOUNT		<u>1</u> 17	<u>1</u> 18	SEAT-BACK LOCK TYPE		<u>1</u> 32	<u>1</u> 33
(1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN				(0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN			
SWIVEL MECHANISM EQUIPPED		<u>0</u> 19	<u>0</u> 20	LOCKS HELD		<u>1</u> 34	<u>1</u> 35
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			
ORIGINAL EQUIPMENT SEATS		<u>1</u> 21	<u>1</u> 22	RECLINER MECHANISM HELD		<u>1</u> 36	<u>1</u> 37
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN			
CONTACT OF SEAT BY REAR OCCUPANT		<u>8</u> 23	<u>8</u> 24	HEAD RESTRAINT			
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN				HEAD RESTRAINT TYPE		<u>1</u> 38	<u>1</u> 39
FRONT SEAT DAMAGE		<u>0</u> 25	<u>0</u> 26	(0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN			
(0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN				REMOVED PRE-CRASH		<u>0</u> 40	<u>0</u> 41
CENTER ARMREST DAMAGED		<u>0</u> 27		(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN IF EQUIPPED			
(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (9) UNKNOWN IF EQUIPPED				ADJUSTMENT AT CRASH		<u>2</u> 42	<u>2</u> 43
FRONT SEAT ROTATION		<u>0</u> 28	<u>0</u> 29	(1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN			
(0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN				HEAD RESTRAINT DAMAGE		<u>0</u> 44	<u>0</u> 45

SEATS ST-2

FRONT SEAT ADJUSTMENT SEAT ADJUSTMENT TYPE (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN ADJUSTMENT PROVIDED (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN SEAT ADJUSTER DAMAGE (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN SEAT ADJUSTER SEPARATION (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN PRE-CRASH POSITION (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN	DRIVER	PASSENGER	SECOND SEAT (CONT.) CENTER ARMREST DAMAGED (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	
	3 46	1 47	1 48	1 49
	0 50	0 51	0 52	0 53
	2 54	1 55	2 56	1 57
	0 58	0 59		
SECOND SEAT TYPE OF SECOND SEAT (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN SECOND SEAT DAMAGE (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENERED) (2) CUSHION ONLY (DAMAGED OR LOOSENERED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENERED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENERED) (8) NOT APPLICABLE (9) UNKNOWN	LEFT	RIGHT	SECOND SEAT-BACK LOCKS FOR THE FOLLOWING, USE: (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN LEFT OR CENTER, EQUIPPED LEFT OR CENTER, HELD (3) SEAT FOLDED DOWN RIGHT, EQUIPPED RIGHT, HELD (3) SEAT FOLDED DOWN	
	1 56	1 57	0 71	0 72
	0 73	0 74		
VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS (0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN			THIRD SEAT EQUIPPED BACKREST DAMAGED CUSHION DAMAGED	
			1 75	
<i>Applies to any rear-seat position</i>				

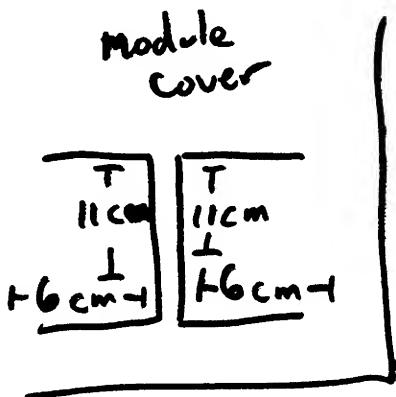
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from the previous card.Module A B Format 0 1
9 10 11 12

AIRBAG AB-1

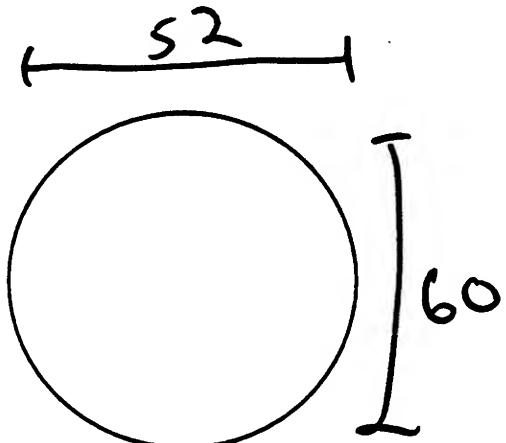
<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		 13 14	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>			 15	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>
<p>DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p><i>2 straps</i></p>		 19		<p>PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p>
<p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		 20	<p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	

AIRBAG AB-2

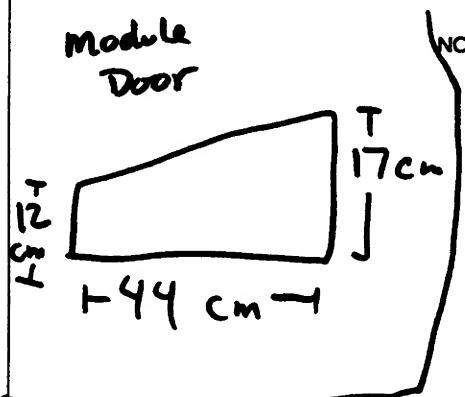
AIRBAG NUMBER ON DRIVER SIDE:



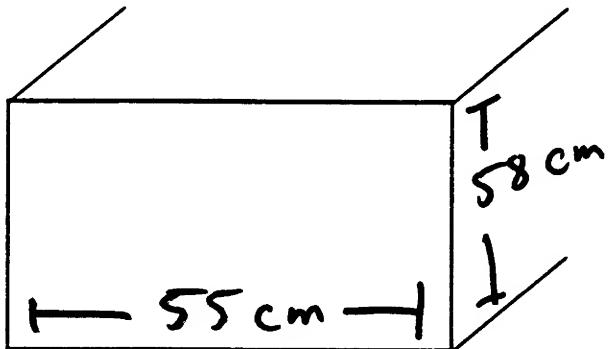
NOTE AND DESCRIBE ANY AIRBAG CONTACT OR DAMAGE ON DIAGRAM BELOW:



AIRBAG NUMBER ON PASSENGER SIDE:



NOTE AND DESCRIBE ANY AIRBAG CONTACT OR DAMAGE ON DIAGRAM BELOW:



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,
ARE TO BE FILLED IN
FOR EACH CASE VEHICLE OCCUPANT,
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8
from the previous card. Module 0 C Format 0 2
9 10 11 12

OCCUPANT INFORMATION OC-1

OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

01
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

(1) MOTOR VEHICLE DRIVER
 (2) MOTOR VEHICLE PASSENGER
 (NOT DRIVER)
 (9) UNKNOWN

1
15

OCCUPANT POSITION

ROW LOCATION

(1) FRONT
 (2) SECOND
 (3) THIRD
 (4) FOURTH
 (7) OTHER: _____
 (8) EXTERNAL TO PASSENGER
 COMPARTMENT (E.G. BED OF PICKUP)
 (9) UNKNOWN

1
16

LATERAL LOCATION

(1) LEFT
 (2) LEFT CENTER
 (3) CENTER
 (4) RIGHT CENTER
 (5) RIGHT
 (6) ALL (LYING ON SEAT)
 (8) EXTERNAL TO PASSENGER
 COMPARTMENT
 (9) UNKNOWN

1
17

POSTURE

(10) SITTING ON SEAT
 (11) SITTING ON SEAT IN ABNORMAL
 POSITION (E.G. FEET ON DASH,
 SIDEWAYS)
 (12) SITTING ON CONSOLE
 (20) ON LAP OR IN ARMS
 (30) STANDING ON SEAT
 (40) STANDING ON FLOOR
 (47) STANDING, EXTERNAL TO
 PASSENGER COMPARTMENT
 (50) IN BASSINET
 (60) IN CHILD SEAT
 (65) IN CHILD HARNESS
 (70) LYING ON SEAT
 (80) LYING/SITTING ON PASSENGER
 FLOOR
 (83) LYING/SITTING ON OTHER
 OBJECT IN PASSENGER
 COMPARTMENT: _____
 (85) ON CARGO FLOOR/FOLDED
 SEAT-BACK
 (87) LYING/SITTING, EXTERNAL TO
 PASSENGER COMPARTMENT
 (97) OTHER: _____
 (99) UNKNOWN

10
18 19

PHYSICAL DESCRIPTION

AGE IN YEARS

(00) LESS THAN 1 YEAR
 (98) 98 YEARS OR OLDER
 (99) UNKNOWN

38
20 21

AGE IN MONTHS

(00) LESS THAN 1 MONTH
 (25) 25 MONTHS OR OLDER
 (99) UNKNOWN

25
22 23

MASS (kg)

(999) UNKNOWN

070
24 25 26

HEIGHT (cm)

(999) UNKNOWN

167
27 28 29

SEX

(1) MALE
 (2) FEMALE
 (9) UNKNOWN

2
30

MEDICAL CONDITIONS

TREATMENT/MORTALITY

(00) NONE
 (01) FIRST AID AT SCENE
 (02) TREATED AT HOSPITAL/CLINIC
 BUT NOT ADMITTED
 (03) HOSPITALIZED FOR OBSERVATION
 LESS THAN 24 HOURS
 (04) HOSPITALIZED OVER 24 HOURS
 OR FOR SIGNIFICANT TREATMENT
 (05) FATAL, DEAD AT SCENE
 (06) FATAL, DOA
 (07) FATAL, DEAD WITHIN 24 HOURS
 (08) FATAL, DEAD 24 HOURS TO
 31 DAYS LATER
 (09) FATAL, DEAD 31 DAYS TO
 1 YEAR LATER
 (10) FATAL DEAD WITHIN UNKNOWN
 PERIOD
 (99) UNKNOWN

02
31 32

INJURY SEVERITY SCORE (ISS)

(99) UNKNOWN

02
33 34

NON-IMPACT MED. CONDITIONS

(0) NONE
 (1) YES, TIME & TYPE UNKNOWN
 (2) PRE-CRASH FATAL (CLINICAL
 DEATH AT WHEEL)
 (3) PRE-CRASH NON-FATAL (E.G.
 PRIOR INJURY, STROKE)
 (4) PREGNANT
 (5) POST-CRASH FATAL (DROWNING)
 (6) POST-CRASH NON-FATAL INJURY
 (7) OTHER: _____
 (8) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (9) UNKNOWN

0
35

OCCUPANT INFORMATION OC-2

MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT

(0) O - NO INJURY
 (1) C - POSSIBLE INJURY
 (2) B - NON-INCAPACITATING
 (3) A - INCAPACITATING INJURY
 (4) K - FATAL
 (5) INJURED, SEVERITY UNKNOWN
 (6) DIED PRIOR TO IMPACT
 (7) NON-FATAL INJURY,
 SEVERITY UNKNOWN
 (9) UNKNOWN

36

CHILD SEAT TYPE

(00) NONE USED
 (01) YES, USED
 (02) INTEGRAL, Chrysler Mini-van
 (88) NOT APPLICABLE
 (ADULT OR OLDER CHILD)
 (99) UNKNOWN

88
41 42

RESTRAINT SYSTEM

ACTIVE RESTRAINT SYSTEM

(0) NONE
 (1) LAP BELT
 (2) SHOULDER HARNESS ONLY
 (3) BOTH LAP BELT &
 SHOULDER HARNESS
 (9) UNKNOWN

3
37

ACTIVE RESTRAINT SYSTEM USAGE

(0) NONE (AVAILABLE BUT NOT USED)
 (1) LAP BELT ONLY
 (2) SHOULDER HARNESS ONLY
 (3) BOTH LAP BELT &
 SHOULDER HARNESS
 (7) IMPROPER USAGE
 (8) NOT APPLICABLE (NONE AVAILABLE)
 (9) UNKNOWN

3
38

PASSIVE RESTRAINT SYSTEM

(0) NONE
 (1) AIRBAG INSTALLED
 (2) PASSIVE UPPER TORSO
 WITH KNEE BOLSTERS
 (3) PASSIVE UPPER TORSO
 WITHOUT KNEE BOLSTERS
 (4) PASSIVE LAP & UPPER TORSO
 (5) AIRBAG INSTALLED &
 PASSIVE RESTRAINT
 (7) OTHER: _____
 (9) UNKNOWN

1
39

EJECTION

DEGREE OF EJECTION

(0) NONE
 (1) PARTIAL
 (2) COMPLETE
 (7) EJECTED, DEGREE UNKNOWN
 (9) UNKNOWN IF EJECTED

0
43

AREA OF EJECTION

(01) WINDOW, LEFT SIDE
 (02) WINDOW, RIGHT SIDE
 (03) WINDOW, REAR
 (04) DOOR, LEFT SIDE
 (05) DOOR, RIGHT SIDE
 (06) DOOR, REAR OR TAILGATE
 (07) WINDSHIELD
 (08) ROOF OR OPEN CONVERTIBLE OR
 FROM EXTERNAL AREA
 (96) EJECTED AREA UNKNOWN
 (97) OTHER AREA: _____
 (98) NOT APPLICABLE (NOT EJECTED)
 (99) UNKNOWN IF EJECTED

98
44 45

PASSIVE RESTRAINT SYSTEM USAGE

(0) SYSTEM DEFEATED
 (1) AIRBAG NOT DEPLOYED
 (2) AIRBAG DEPLOYED
 (3) AIRBAG NOT REINSTALLED
 (4) PASSIVE UPPER TORSO USED
 (5) PASSIVE LAP & UPPER TORSO USED
 (6) SYSTEM USED IN MANUAL MODE
 (7) IMPROPER USAGE
 (8) NOT APPLICABLE (NOT ORIGINALLY
 EQUIPPED)
 (9) UNKNOWN

2
40IF OCCUPANT WAS EJECTED, DESCRIBE
IN DETAIL BELOW:

HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE
FOR THIS POSITION

(0) NOT EQUIPPED OR REMOVED
 (1) EQUIPPED
 (9) UNKNOWN

1
46

OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

2
47

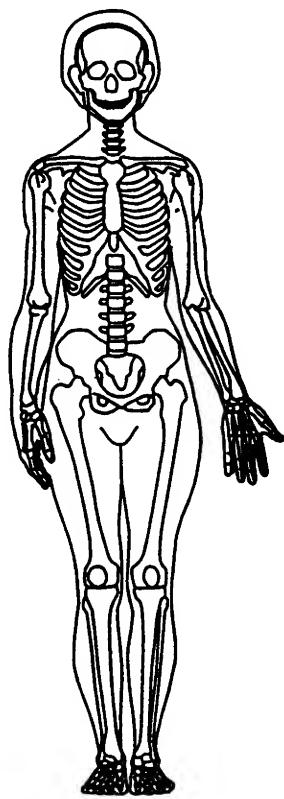
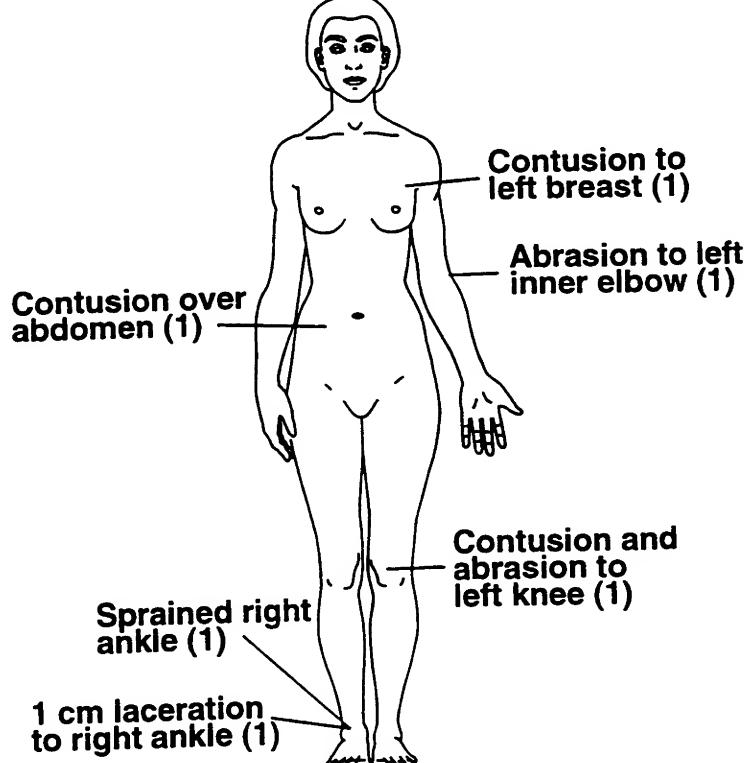
SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER _____
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

7
48

OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.



INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

OCCUPANT INJURY CLASSIFICATION

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

INJURY CLASSIFICATION IC-2

CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (SPECIFIC AREA UNKNOWN)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (INSTRUMENT PANEL)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (09) STEERING ASSEMBLY (SPECIFIC AREA UNKNOWN)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (SPECIFIC AREA UNKNOWN)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (FRONT)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (BUILT IN)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (LOCATION UNK.)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (LOCATION UNKNOWN)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (FROM ANY SOURCE)
- (41) UNKNOWN INTERIOR SURFACE

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (SIDE)
- (21) WINDOW FRAMES (SIDE)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (91) KICKPANEL

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (SPECIFIC AREA UNKNOWN)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (SPECIFIC AREA UNK.)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.)

PENETRATING OBJECTS

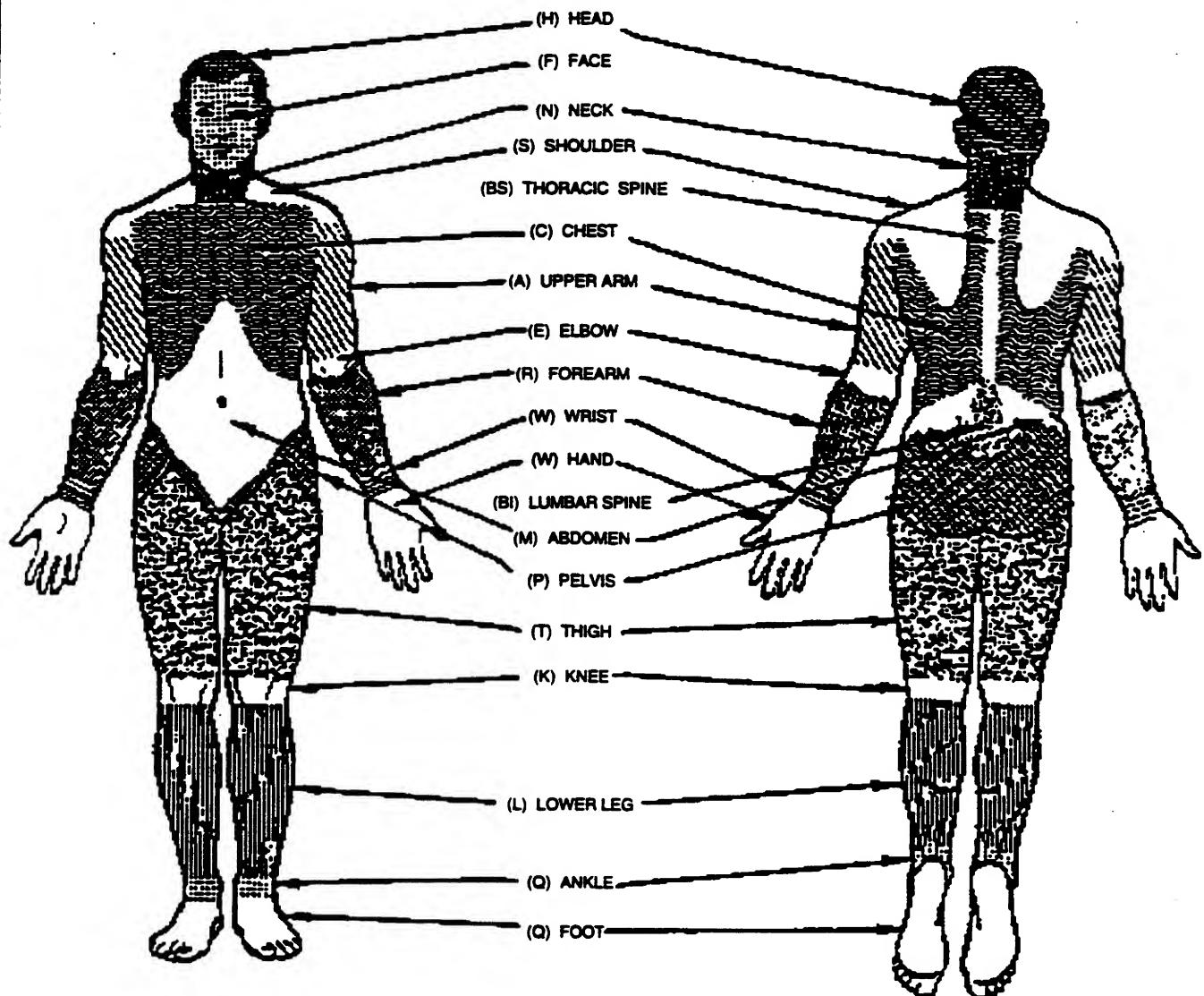
- (61) OTHER VEHICLE
- (72) OBJECTS (DESCRIBE)

MISCELLANEOUS

- (00) NO CONTACT (INVALID FIELD FORM CODE)
- (38) OTHER (E.G. FIRE. DESCRIBE)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

INJURY CLASSIFICATION IC-3

THE FIGURE BELOW
IS AN EXPLANATION OF THE BODY REGION CODES
LISTED ON PAGE IC - 4.



INJURY CLASSIFICATION IC-4

CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION

- (H) HEAD/SKULL
- (F) FACE
- (N) NECK
- (S) SHOULDER
- (X) UPPER EXTREMITIES
 - (A) ARM (UPPER)
 - (E) ELBOW
 - (R) FOREARM
 - (W) WRIST/HAND
- (C) CHEST
- (M) ABDOMEN
- (B) BACK
- (P) PELVIC/HIP
- (Y) LOWER EXTREMITIES
 - (T) THIGH
 - (K) KNEE
 - (L) LEG (LOWER)
 - (Q) ANKLE/FOOT
 - (O) WHOLE BODY
 - (U) UNKNOWN

3 LESION

- (L) LACERATION
- (C) CONTUSION
- (A) ABRASION
- (F) FRACTURE
- (P) PERFORATION, PUNCTURE
- (K) CONCUSSION
- (V) AVULSION
- (R) RUPTURE
- (S) SPRAIN
- (D) DISLOCATION
- (N) CRUSH
- (M) AMPUTATION
- (B) BURN
- (G) DETACHMENT, SEPARATION
- (Z) FRACTURE AND DISLOCATION
- (T) STRAIN
- (E) TOTAL SEVERANCE, TRANSECTION
- (O) OTHER
- (U) UNKNOWN

4 SYSTEM/ORGAN

- (S) SKELETAL
- (V) VERTEBRAE
- (J) JOINTS
- (D) DIGESTIVE
- (L) LIVER
- (N) NERVOUS SYSTEM
 - (B) BRAIN
 - (C) SPINAL CORD
 - (E) EARS
 - (O) EYES
 - (A) ARTERIES
 - (H) HEART
 - (Q) SPLEEN
 - (G) UROGENITAL
 - (K) KIDNEYS
 - (R) RESPIRATORY
 - (P) PULMONARY/LUNGS
 - (M) MUSCLES
 - (T) THYROID, OTHER ENDOCRINE GLAND
 - (I) INTEGUMENTARY (SKIN)
 - (W) ALL SYSTEMS IN REGION
 - (U) UNKNOWN

2 ASPECT

- (R) RIGHT
- (L) LEFT
- (B) BILATERAL
- (C) CENTRAL
- (A) ANTERIOR/FRONT
- (P) POSTERIOR/BACK
- (S) SUPERIOR/UPPER
- (I) INFERIOR/LOWER
- (W) WHOLE REGION
- (U) UNKNOWN

BODY REGION	ASPECT	LESSON	SYSTEM/ORGAN	SEVERITY					
				1	2	3	4	5	

5 SEVERITY (OR 'AIS', ABBREVIATED INJURY SCALE)

- (0) NONE
- (1) MINOR
- (2) MODERATE
- (3) SERIOUS
- (4) SEVERE
- (5) CRITICAL
- (6) MAXIMUM
- (9) UNKNOWN

PN 3732 98
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PN 3732 98

North

Perimeter for crop

Spaced tree 75 cm



Closest tree between rows

Closest tree between



PN 3732-98 #2



PN 3732 98 #3



PN 3732-96 #4



PN 3732-98 #5
Best Available



PN 3732-98 #6
Best Available



PN 3732-08 #7
Best Available



PN 3732-98 #8
Best Available



PN 3732-98 #9



PN 3732-98 #10



PN3732-98 #11



PN 3732-98 #12



PN 3732-98 #13



PN 3732-98 #14



PN 3732-98 #15

Best Available



PN 3732-98 #16
Best Available



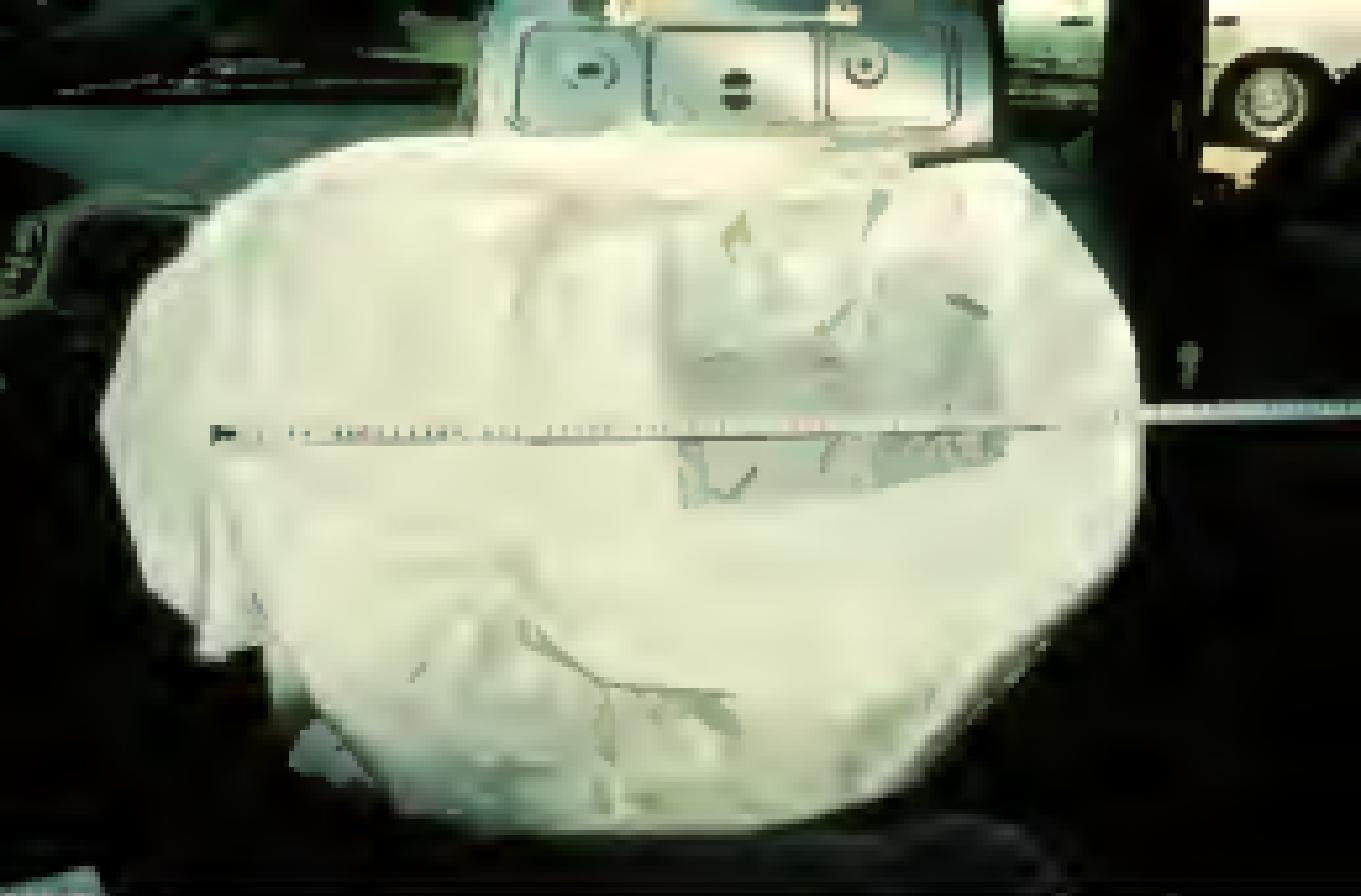
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PN3732-98 #18
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PN 3732-98 #20
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PN 3732-98 #21
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PN 3732-98 #22
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PN 3732-98 #23
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PN 3732-98 #24



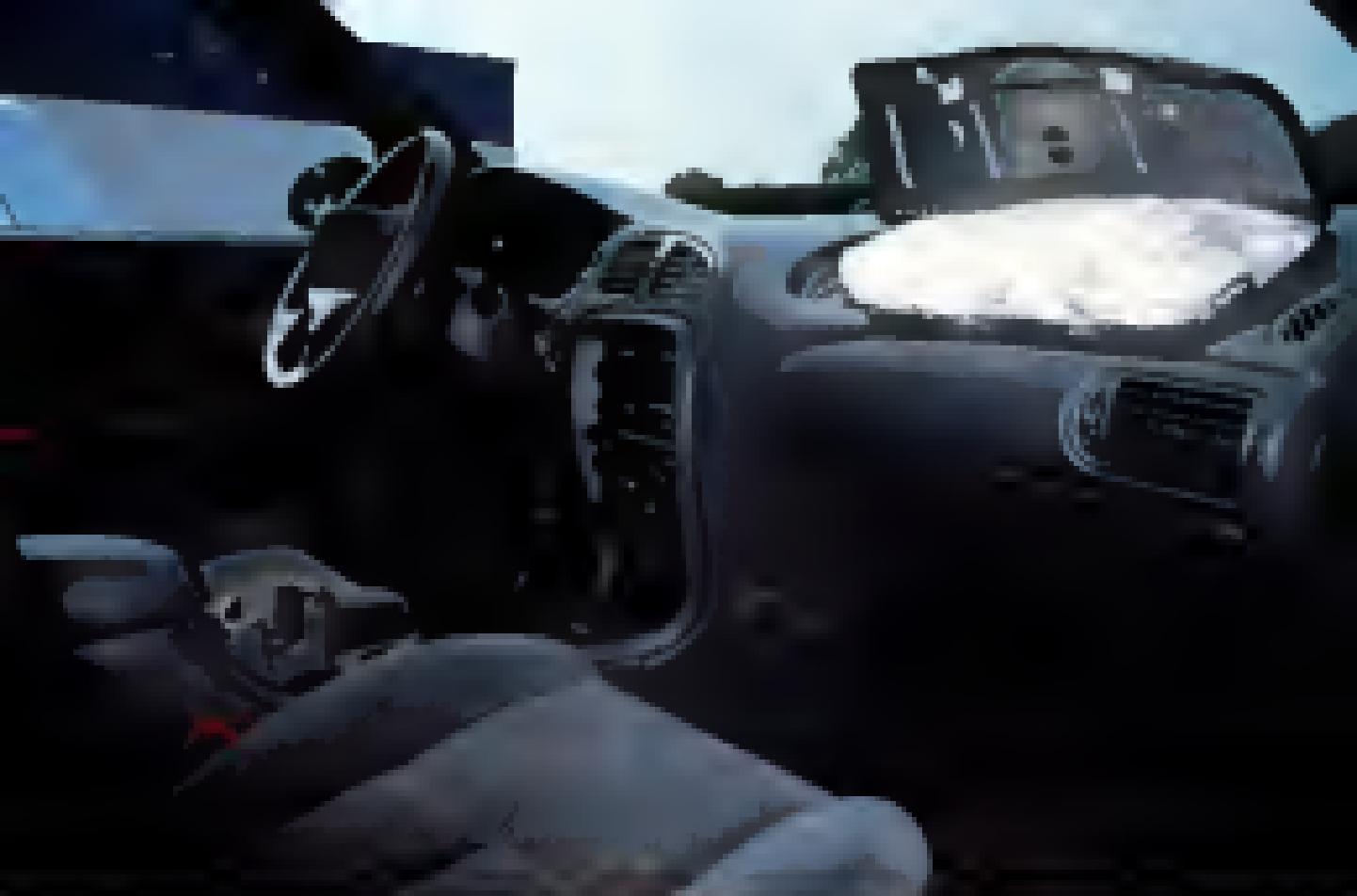
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PN 3732-88 #26



PN 3732-08 #27



PN3732-98 428



PN 3732-98 #29



PN 3732-98 430

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